

Renewable Energy and Climate Change Mitigation

About IRENA



Foundation:	26 January 2009 International Agency since April 2011 The only international RE agency worldwide
Members:	101 countries and EU; 50 ratified members; 7 applicants
Mandate:	Sustainable deployment of all RE resources (Biomass, Geothermal, Hydro, Ocean, Solar, Wind)
Location:	Headquarters in Abu Dhabi, United Arab Emirates Innovation and Technology Centre (IITC) in Bonn
Staff:	Director-General Adnan Amin; about 72 staff.

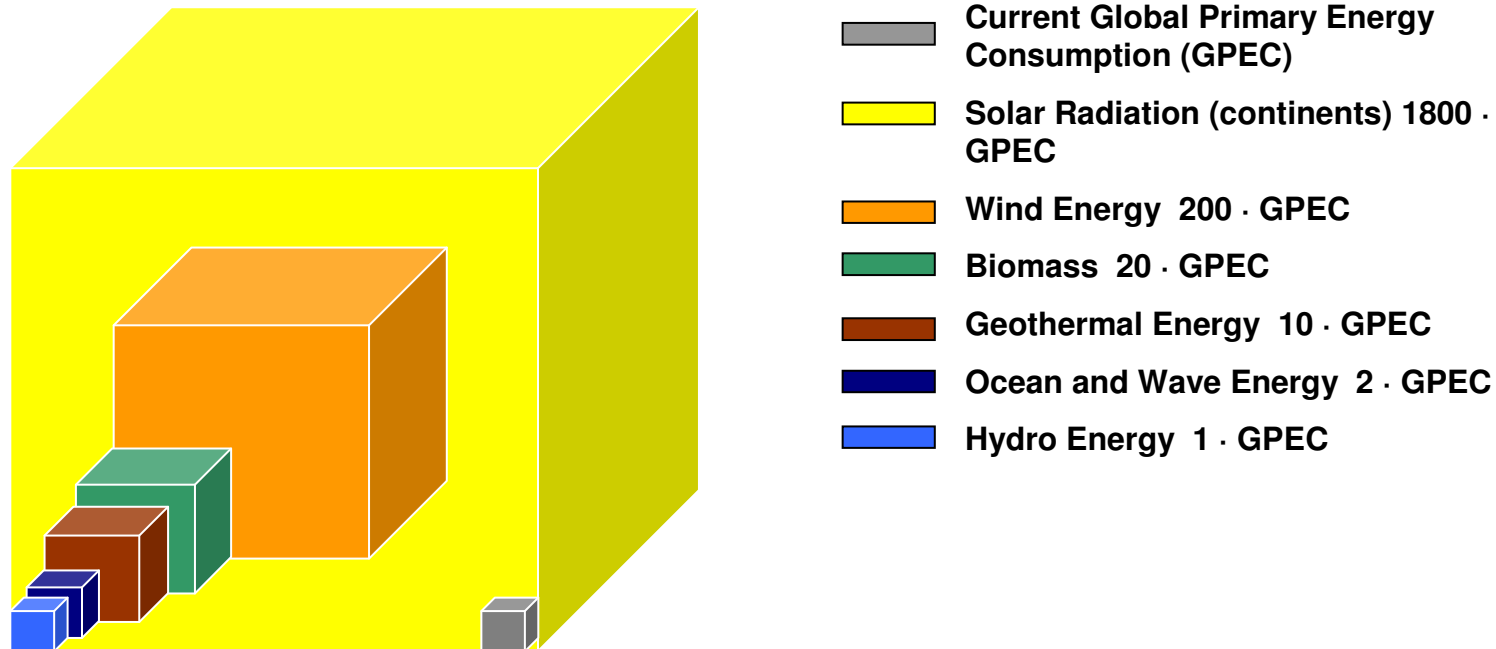
How long will the world's oil reserves last ?

Sheik Ahmed Zaki Yamani, former Saudi Oil Minister:

“The Stone Age didn’t end for lack of stone, and the oil age will end long before the world runs out of oil.”

The various types of Renewable Energy and their potential.

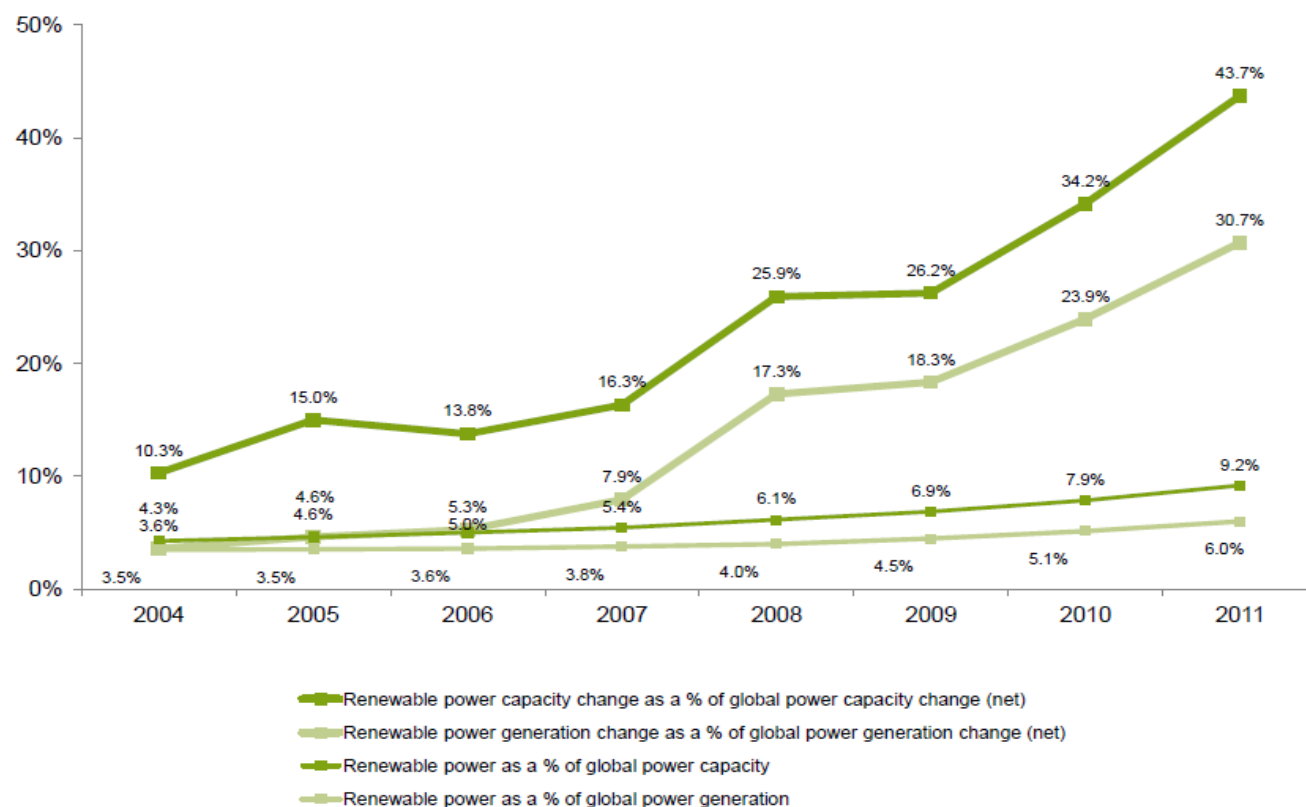
Mobilise this huge potential!



Source: Nitsch, F.: Technologische und energiewirtschaftliche Perspektiven erneuerbarer Energien.
German Aerospace Center. 2007.

How much will oil cost in 2020?

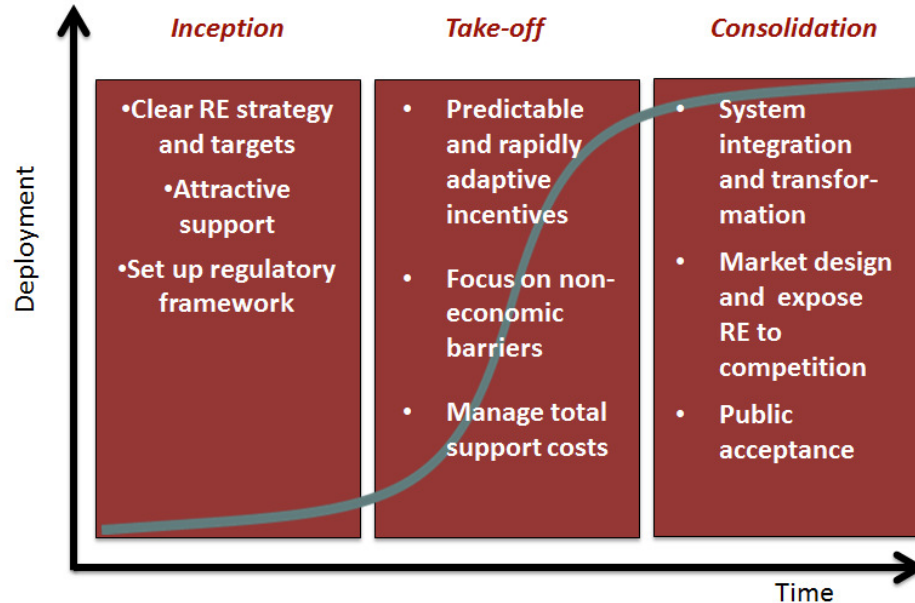
Renewables, excluding large hydro, accounted for 44% of new generation capacity added worldwide in 2011; up from 34% in 2010; and 31% of actual new power generated due to the variability of the wind and solar capacity added.

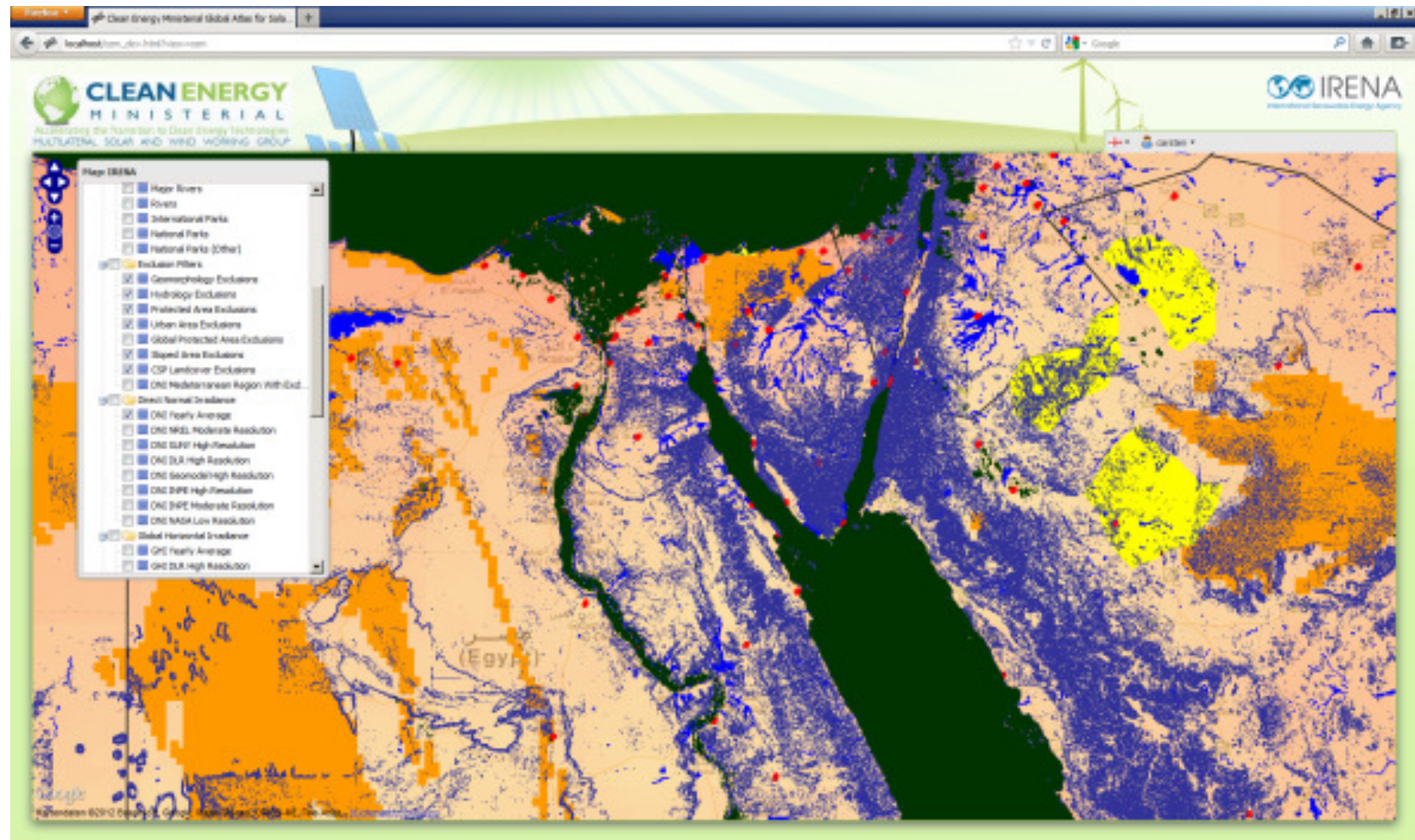


Sources: EIA, IEA, Bloomberg New Energy Finance

Main challenges

- Reduction of the cost
- Integration
- Scaling up finance
- Programmatic deployment approaches





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Subject

- ☒ All
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- ☐ Wind Energy
- ☐ Legislation and Policy
- ☐ Financing & Business Models
- ☐ Other

Region

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We welcome suggestions for inclusion

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Courses

Grid Integration of Renewables – Seminar for Experts with Engineering-Technical Tasks

This seminar will focus on the important aspects of grid integration of renewables into all voltage levels of the transmission and the distribution grid. It will detail the tools and methodologies...

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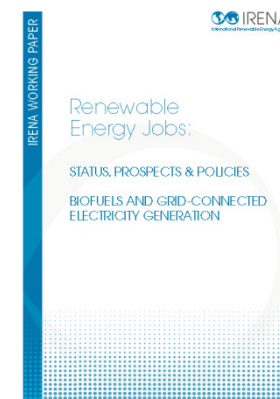
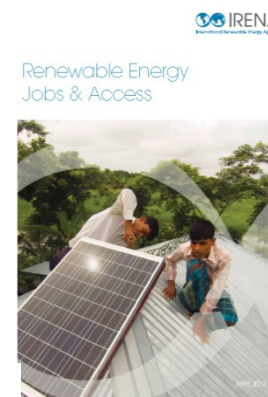
Subject: **All Renewables** | Region: **Europe** | Country: **Germany** | City: **Berlin** | Course Language: **English** | Course Start Date: **11 Mar 2013** | Course Type: **Professional Development** | Course Duration: **10 Days** | Course Delivery: **Face to Face** | Qualification Awarded: **Certificate** | Registration Deadline: **10 Jan 2013** | Institution: [Renewables Academy \(RENAC\)](#) | [Course Link](#)

15 Views

Renewable Energy Employment

- Report on Renewable Energy Employment: Analysis, Trends and Markets

Renewable Energy Economic Value



- Analysis of economic value creation from RE
- Policy recommendation to maximize value creation
- Policy tools and case studies



Environmental Impact of Renewable Energy

- Environmental Impact of Off-grid RE applications
- Debunking the myths on RE Technologies
- Nexus energy-food-water

RE and NAMAs

Date: November 29th 2012
Location: Room Lefkosia EU-Pavilion
Time: 10:30 – 12:30 (GMT+3)

Thank You

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